Shock Value practice test answer key

Section 1: Circuit Analysis

1. 1 amp.
2. 1 amp.
3. 1 amp.
4. 15 ohms.
5. 8 volts.
6. 4 volts.
7. 3 volts.
8. 15 watts.
9. 3 watts.
10. 4 watts.
11. 8 watts.
12. 1 amp.
13. 10 volts.
14. 10 volts.
15. 10 volts.
16. 1.25 amps.
17. 5 amps.
18. 1 amp.
19. 7.25 amps.
20. 1.38 ohms.
21. 72.5 watts.
22. 12.5 watts.
23. 50 watts.
24. 10 watts.
25. 0 ohms.
26. 10 volts or 0 volts
27. 0 amps.
28. 0 watts.
29. A single pole double throw (spdt) switch
30. A light bulb
31. A potentiometer
32. 2.5 volts
33. 5 volts
34. 7.5 volts
35. 1.18 amps
36. 0.8 amps
37. 5 volts
38. 10 ohms
39. 40 ohms
40. 1.25 watts
41. 2.5 watts
42. 3.75 watts
43. 23.6 watts
44. 16 watts
45. 10 watts
46. 2.5 volts
47. 25 volts
48. 7.5 volts
49. 2.35 amps
50. 1.6 amps
51. 5 volts
52. 50 ohms
53. 80 ohms
54. 1.25 watts
55. 12.5 watts
56. 3.75 watts
57. 94 watts
58. 64 watts
59. 20 watts

Section 2: Vocabulary

1. An amp
2. A coulomb
3. Voltage
4. Electromagnetic induction
5. A superconductor
6. N. C. (normally closed switch)
7. A Ferro magnet (or ferromagnet)
8. Movement
9. Tolerance
10. An Ammeter
11. A short circuit
12. Off
13. A practical circuit
14. A current source
15. Diamagnetism
16. An open circuit
17. A multimeter
18. Electricity
19. A relay
20. Magnetic flux or magnetomotive force (mmf)
21. An electromagnet

Section 3: Tiebreakers

 1.) 420,000 ohms with 1% tolerance

 2.) 36,500,000,000 ohms

 3.)0 to infinity (or infinity to 0)

 4.)A fuse

 5.) 57,800 ohms with 3% tolerance